CPC COOPERATIVE PATENT CLASSIFICATION

B60S SERVICING, CLEANING, REPAIRING, SUPPORTING, LIFTING, OR MANOEUVRING OF VEHICLES, NOT OTHERWISE PROVIDED FOR

NOTE

Attention is drawn to the Note following the title of class **B60**.

vehicle Boos 3:00: cleaning in general Boosh deicing of airrarife Bods) beating arrangements specially adapted for transparent or reflecting areas HOSB 3:84) 1.002 - Cleaning windscreens, windows or optical devices (cleaning windscreens Boos 17:2002)) 1.003 - (lunding defroster or demisting means) 1.004 - Wipers or the like, e.g. scrapers 1.004 - Wipers or the like, e.g. scrapers 1.004 - Wipers or the like, e.g. scrapers 1.004 - (leaning windscreens Boos 17:2002)) 1.004 - (lunding defroster or demisting means) 1.004 - (lunding defroster or demisting means) 1.004 - (lunding of vindows or windscreens Boos 12:002) 1.004 - (lunding of vindows or optical devices being movable with respect to fixed wipers) 1.004 - (lunding of vindows or optical devices being movable with respect to fixed wipers) 1.004 - (lunding other vehicle) 1.004 - (lunding other vehicle fittings) 1.004 - (lunding other	1/00	Cleaning of vehicles (by apparatus not integral with	1/0463 {Arrangement of the cow}	
adapted for transparent or reflecting areas HOSB 3344) 1/02 Cleaning widscreens, windows or optical devices solling of windows or windscreens B60J 1/2002)} 1/023 (Including defroster or demisting means) 1/026 (using electrical means) 1/027 (where store the content of the wipers or right or left hand drive vehicles) 1/040 (where or the like, e.g. scrapers) 1/0402 (completely or partially concealed in a cavity) 1/0405 (the cavity being equipped with a movable cover) 1/0408 (Means for influencing the aerodynamic quality of wipers, e.g. clip-on wind deflectors (Heos 1/2) takes precedence) 1/0411 (the windscreens, windows or optical devices being movable with respect to fixed wipers) 1/0413 (Modular wiper assembly) 1/0416 (including other vehicle fittings) 1/0417 (the support structure being integrally modded) 1/0429 (characterised by the attachment of the wiper shaft holders to the transverse clement) 1/0427 (characterised by the attachment of the wiper shaft holders to the transverse clement) 1/043 (Attachment of separate wiper motor assembly to the vehicle) 1/043 (Attachment of separate wiper motor assembly to the vehicle) 1/043 (Attachment of separate wiper motor assembly to the vehicle) 1/043 (Attachment of separate wiper motor assembly to the vehicle) 1/044 (characterised by the attachment means) 1/045 (Attachment of separate wiper motor assembly to the vehicle) 1/044 (characterised by the attachment means) 1/044 (characterised by the attachment means) 1/044 (characterised by the the attachment means) 1/044 (characterised by the the attachment means) 1/045 (Attachment of separate wiper motor assembly to the vehicle) 1/046 (Attachment of separate wiper motor assembly to the vehicle) 1/047 (characterised by the vehicle) 1/048 (Attachment of separate wiper motor assembly to the vehicle) 1/048 (Attachment of separate wiper shaft holders to the vehicle) 1/049 (Attachment of separate wiper motor assembly to the vehicle) 1/049 (characterised by the attachment means) 1/0410 (characteris			The state of the s	
Cleaning windscreens, windows or optical devices (wind deflectors specially adapted for preventing soiling of windows or windscreens B601 1/2002)}			windows}	
(wind deflectors specially adapted for preventing soiling of windows or windscreen B601 (2002)) (including defroster or demisting means) 1,0475 (Cleaning of wiper blades) (1,0475 (Cleaning of wiper blades) (Arrangement of the wipers on right or left hand drive vehicles) (Arrangement of deciving or for removing debris from wiper blades) (Arrangement of deciving of wiper blades) (Averangement of the wiper blades) (Averangement of the wiper blades) (Averangement of the wipers) (Averangement of the wiper blades) (Averangement of the wiper blades) (Averangement of the wiper blades) (Averangement of the wiper shaft) (Averangement of the wipers) (Averangement of the wipers) (Averangement of the wipers) (Averangement) (Averang				g
soiling of windows or windscreens B601 1/2002) 1/023	1/02			
1023 (including defroster or demisting means) 10475 (Cleaning of wiper blades) 1026 (using electrical means) 10477 (Arrangement for deicing or for removing debris from wiper blades) 10482 (the cavity being equipped with a movable cover) 10408 (the cavity being equipped with a movable cover) 10408 (Means for influencing the aerodynamic quality of wipers, e.g. (thy-on wind deflectors (1860S 1/32 takes precedence)) 10411 (the windscreens, windows or optical devices being movable with respect to fixed wipers) 10413 (Modular wiper assembly) 10416 (including other vehicle fittings) 10419 (the support structure being integrally molded) 10422 (having a separate transverse element) 10425 (Arrangement of the wiper shaft holders to the transverse element) 10427 (Arrangement of the wiper motor holder to the transverse element) 10433 (Attachment of separate wiper shaft holders to the vehicle) 10433 (Attachment of separate wiper shaft holders to the vehicle) 10438 (Attachment of separate wiper shaft holders to the vehicle) 10438 (Attachment of separate wiper shaft holders to the vehicle) 10438 (Attachment of separate wiper shaft holders to the vehicle) 10438 (Attachment of separate wiper shaft holders to the vehicle) 10438 (Attachment of separate wiper shaft holders to the vehicle) 10438 (Attachment of separate wiper shaft holders to the vehicle) 10440 (Arrangement) 10441 (Arrangement) 10441 (Arrangement) 10442 (Arrangement) 10444 (Arrangement) 10444 (Arrangement) 10444 (Arrangement) 10444 (Arrangement) 10445 (Arrangement) 10446 (Arrangement) 10447 (Arrangement) 10448 (Arrangement) 10449 (Arrangement) 1				t-
1040 Wipers or the like, e.g. scrapers 10407 (Arrangement for deixing or for removing lobustic from wiper blades (heated wiper bla Boos 1/3805) 10405 (the cavity being equipped with a movable cover) 10408 (Means for influencing the aerodynamic quality of wipers, e.g. clip-on wind deflectors (1660S 1/32 takes precedence)) 10411 (the windscreens, windows or optical devices being movable with respect to fixed wipers) 10413 (Modular wiper assembly) 10414 (Including other vehicle fittings) 10419 (the support structure being integrally molded) 10425 (Leharacterised by the attachment of the wiper motor holder to the transverse element) 10426 (Leharacterised by the attachment of the wiper motor holder to the transverse element) 1043 (Attachment of a wiper modular assembly to the vehicle) 10436 (Attachment of separate wiper shaft holders to the vehicle) 10436 (Attachment of separate wiper shaft holders to the vehicle) 10437 (Attachment of separate wiper shaft holders to the vehicle) 10440 (Comprising vibration or noise absorbing means) 10441 (Comprising vibration or noise absorbing means) 10441 (Comprising vibration or noise absorbing mounting) 10452 (Position of the wipers relative to the vehicle) 10453 (Attachment of separate wiper motor and means for cleaning parts o parts other than windscreens or first of the websice) 10447 (Inon-screw fixation, (e.g. snap-in, bayonnet-type)) 10458 (Arrangement windscreens of lifting the wipers off the screen in its parking position or at extremes of wipe) 10459 (Appendical clements) 10450 (Device for lifting the wipers off the screen in its parking position or at extremes of wipe) 10440 (Appendical clements) 10441 (Appendical clements) 10442 (Appendical clements) 10444 (Appendical clements) 10445 (Appendical cl	1/002			
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1.0402 Completely or partially concealed in a cavity				
10405 Che cavity being equipped with a movable cover 1048 (with a heating device for the wiper parking position) 1048 (Means for influencing the aerodynamic quality of wipers, e.g. clip-on wind deflectors (BoS 1/32 takes precedence)) 10411 (the windscreens, windows or optical devices being movable with respect to fixed wipers) 10486 (the cleaning device being integrated with the vehicle) 10416 (including other vehicle fittings) 10418 (Wiper arrangement for crash protection or impact absorption) 10416 (including other vehicle fittings) 10419 (Additional elements being fixed on wipers or molded) (Attachment of the wiper shaft holders to the transverse element) 10422 (having a separate transverse element) 10425 (characterised by the attachment of the wiper shaft holders to the transverse element) 10431 (Attachment of the wiper assembly to the wehicle) 10433 (Attachment of a wiper modular assembly to the vehicle) 10436 (Attachment of a wiper modular assembly to the vehicle) 10438 (Attachment of separate wiper motor assembly to the vehicle) 10441 (characterised by the attachment means 10446 (Attachment of separate wiper shaft holders to the vehicle) 10441 (characterised by the attachment means 10441 (characterised by the attachment of assembly to the vehicle) 10441 (characterised by the attachment of assembly to the vehicle) 10441 (characterised by the attachment means 10441 (characterised by the attachment means) 10441 (characterised by the attachment means 10441 (characterised by the attachment means) 10441 (characterise			*	.ue
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1/0413	1/0411		1/0486 { the cleaning device being integrated with	
1/0416 (including other vehicle fittings) 1/0419 (the support structure being integrally molded) 1/0422 (having a separate transverse element) 1/0425 (characterised by the attachment of the wiper shaft holders to the transverse element) 1/0427 (characterised by the attachment of the wiper motor holder to the transverse element) 1/047 (characterised by the attachment of the wiper motor holder to the transverse element) 1/048 (Attachment of the wiper assembly to the vehicle) 1/043 (Attachment of the wiper modular assembly to the vehicle) 1/0430 (Attachment of separate wiper motor and liquid supply of windscreen wiper motor and windscreen wiper motor and liquid supply of windscreen wi			the vehicle}	
1/0419 (the support structure being integrally molded 	1/0413	• • {Modular wiper assembly}		
molded 1/0422	1/0416	• • • {including other vehicle fittings}		
1/0425 Characterised by the attachment of the wiper shaft holders to the transverse element 1/0497 Wipers actuated by wind force only	1/0419		parts of wipers not otherwise provided for, e.	
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wiper motor holder to the transverse element} 1/043	1/0427			
Position of the wiper assembly to the vehicle Comprising vibration or noise absorbing means	1/0427			
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1/0433 Attachement of a wiper modular assembly to the vehicle 1/0436 Attachement of separate wiper shaft holders to the vehicle (B60S 1/0425 takes precedence) 1/0803 Attachement of separate wiper motor assembly to the vehicle 1/0807 Attachement of separate wiper motor assembly to the vehicle 1/0807 Attachement of separate wiper motor assembly to the vehicle 1/0807 Attachement of separate wiper motor assembly to the vehicle 1/0807 Attachement of separate wiper motor assembly to the vehicle 1/0807 Attachement of separate wiper motor assembly to the vehicle 1/0807 Attachement of separate wiper motor and means for cleaning parts o parts other than windscreens or front windows B60S 1/56. B60S 1/58. B60S 1/606) B60S 1/56. B60S 1/606) B60S 1/606) Attachement of separate wiper motor and means for cleaning parts o parts other than windscreen spars or the rain windscreen spars other than windscreen spars of the side pillars 1/0803 Attachement control inclusts 1/0808 Attachement of separate wiper motor and means for cleaning parts o parts other than windscreen spars other than windscreen spars other than windscreen spars of the side pillars 1/0808 Attachement of separate wiper motor and means for cleaning parts of parts other than windscreen spars of the side pillars 1/0808 Attachement of separate wiper motor and means for cleaning parts o parts other than windscreen spars of the side pillars 1/0808 Attachement of spars other than windscreen spars of the side pillars 1/0818 Attachement of spars other than windscreen spars of the side pillars 1/0818 Attachement of spars other than windscreen spars of the side pillars 1/0818 Attachement of parts of parts of parts other than windscreen spars of the side pillars 1/0825 Attachement of parts of parts of parts of the side pillars 1/0827 Attachement of parts	1/043		windscreen wiper motor and liquid supply	
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1/0438 Attachement of separate wiper motor assembly to the vehicle 1/0807 Living electronic control means, e.g. tubes, semiconductors (B60S 1/0818, B60S 1/0896 take precedence) 1/0444 Comprising vibration or noise absorbing means 1/0811 Combined with mechanical control means, e.g. thermal relays 1/0447 Combined with mechanical control means, e.g. thermal relays 1/0447 Combined with mechanical control means, e.g. thermal relays 1/0814 Living several drive motors; motor synchronisation circuits 1/0818 Lincluding control systems responsive to external conditions, e.g. by detection of moisture, dirt or the like 1/0852 Characterized by the arrangement or type of detection means 1/0825 Capacitive rain sensor 1/0826 Capacitive rain sensor 1/0827 Coscillator-resonator rain sensor 1/0833 Coptical rain sensor 1/0837 Coptical rain sensor 1/0837 Coptical elements 1/0837 Coptical elements 1/0837 Coptical elements 1/0831 Coptical	1/0436			
1/0438 {Attachement of separate wiper motor assembly to the vehicle} 1/0441 {characterised by the attachment means} 1/0444 {comprising vibration or noise absorbing means} 1/0447 {non-screw fixation, (e.g. snap-in, bayonnet-type)} 1/045 {having a pre-attachment device (i.e. to hold elements in position during mounting)} 1/0452 {Position of the wipers relative to the vehicle} 1/0455 {Device for lifting the wipers off the screen in its parking position or at extremes of wipe} 1/0458 {Arrangement wherein the windscreen frame cooperates with the wipers} 1/0461 {Arrangement of the side pillars} 1/0450 {Arrangement of the side pillars} 1/0461 {Arrangement of the side pillars} 1/0451 {Arrangement of the side pillars} 1/0452 {Arrangement of the side pillars} 1/0453 {Arrangement of the side pillars} 1/0454 {Arrangement of the side pillars} 1/0455 {Arrangement of the side pillars} 1/0466 {Arrangement of the side pillars} 1/0467 {Arrangement of separate wiper motor 1/0468 {Arrangement of the side pillars}				
assembly to the vehicle \\ 1/0441 \cdots \{ \characterised by the attachment means \} \\ 1/0444 \cdots \{ \characterised by the attachment means \} \\ 1/0444 \cdots \{ \characterised by the attachment means \} \\ 1/0444 \cdots \{ \characterised by the attachment means \} \\ 1/0444 \cdots \{ \characterised by the attachment means \} \\ 1/0447 \cdots \{ \characterised by the attachment means \} \\ 1/0447 \cdots \{ \characterised present fixation, (e.g. snap-in, bayonnet-type)} \\ 1/045 \cdots \{ \characterised present fixation, (e.g. snap-in, bayonnet-type)} \\ 1/045 \cdots \{ \characterised present fixation during mounting)} \\ 1/0452 \cdots \{ \characterised present fixation during mounting)} \\ 1/0452 \cdots \{ \characterised present fixing position or at extremes of wipe} \\ 1/0455 \cdots \{ \characterised present fixing position or at extremes of wipe} \\ 1/0458 \cdots \{ \characterised present fixed pillars} \\ 1/0461 \cdots \{ \characterised by the attachment means} \\ 1/0461 \cdots \{ \characterised by the attachment device (i.e. to hold elements in position during mounting) \\ 1/0458 \cdots \{ \characterised present fixed pillars} \\ 1/0458 \cdots \{ \characterized present fixed pillars} \\ 1/0458 \cdots \{ \characterized present fixed pillars} \\ 1/0458 \cdots \{ \characterized present present of the optical elements} \\ 1/0461 \cdots \{ \characterized present of the side pillars} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0461 \cdots \{ \characterized present of the side pillars} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0458 \cdots \{ \characterized present of the optical elements} \\ 1/0458 \cdots \{ \c	1/0/129		, , , , , , , , , , , , , , , , , , , ,	
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1/0458 {Arrangement wherein the windscreen frame cooperates with the wipers} 1/0833 {Optical rain sensor} 1/0837 {with a particular arrangement of the optical elements}				
cooperates with the wipers \\ 1/0461 \\ \cdots \\ \{\text{Arrangement of the side pillars}\} \\ \text{1/0837} \\ \cdots \\ \cdots \\ \text{with a particular arrangement of the optical elements}\}				}
1/0461 {Arrangement of the side pillars} the optical elements}	1/0458			r
1/0/01 • • • • (Thrangement of the side pinars)	4 (0 :			
17007 · · · · · · · · (Including a notogram)	1/0461	• • • • {Arrangement of the side pillars}	1/084 {including a hologram}	

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1/0844	• • • • • • {including a camera}	1/3402 {with means for obtaining particular
1/0848	• • • • • • • • (Cleaning devices for cameras on	wiping patterns (by varying the effective
	vehicle}	length of the angularly oscillating arm
1/0851	{Resistive rain sensor}	<u>B60S 1/365</u>)}
1/0855	{Ultrasonic rain sensor}	1/3404 {the wiper blades being moved
1/0859	{Other types of detection of rain, e.g.	substantially parallel with themselves}
1/0839		1/3406 {the wiper blades being rotated with
	by measuring friction or rain drop	respect to the wiper arms around an
	impact}	axis perpendicular to the wiped field
1/0862	• • • • • • (including additional sensors (vehicle	
	speed sensors <u>B60S 1/0896</u>)}	(<u>B60S 1/3404</u> takes precedence)}
1/0866	• • • • • • {including a temperature sensor	1/3409 {the wiper arms consisting of two or
	(heating devices for windshield	more articulated elements}
	<u>B60H</u>)}	1/3411 • • • • • { with means for varying wiper-blade
1/087	{including an ambient light sensor	pressure on windshield during operation}
	(control of vehicle lights <u>B60Q</u>)}	$1/3413$ { with means for holding the arm off the
1/0874	{characterized by the position of the	glass in an intermediate position between
1/00/-	sensor on the windshield}	the working position and the fully folded
1/0877	• • • • • • • { at least part of the sensor being	back position}
1/06//		1/3415 { with means for supplying cleaning fluid
	positioned between layers of the	to windscreen cleaners, e.g. washers
4 (0004	windshield}	(arrangement of nozzles <u>B60S 1/52</u>)}
1/0881	{characterized by the attachment	1/3418 { with means for additionally adjusting the
	means on the windshield}	
1/0885	• • • • • • { the sensor being integrated in a	wiper arm working position with respect to
	rear-view mirror module}	the surface to be wiped}
1/0888	{characterized by the attachment of	1/342 {with means for temporarily uncoupling
	the elements in a unit}	the wiper arm from the drive}
1/0892	{Testing and production of rain	1/3422 {Means arranged in the wiper structure
	sensors}	to lift the arm at extremes of wipe
1/0896	• • • • {including control systems responsive to a	(means arranged on the vehicle body
1/00/0	vehicle driving condition, e.g. speed}	<u>B60S 1/0455</u>)}
1/10		1/3425 {Constructional aspects of the arm}
1/10	pneumatically driven	1/3427 {Arm piece, link piece and mounting
1/105	• • • • { with means for stopping or setting the	head formed as one element}
	wipers at their limit of movement}	1/3429 {Arm pieces}
1/12	hydraulically driven	
1/125	• • • • { with means for stopping or setting the	(1)
	wipers at their limit of movement}	1/3434 {Manufacturing details thereof}
1/14	personally driven	1/3436 {Mounting heads}
1/16	Means for transmitting drive	1/3438 {Manufacturing details thereof}
1/163	• • • • { with means for stopping or setting the	1/344 {Flat-type mounting heads}
1/103	wipers at their limit of movement}	1/3443 {Wiper shafts}
1/166	• • • • {characterised by the combination of a	1/3445 {Joints between elements}
1/100	motor-reduction unit and a mechanism	1/3447 {the elements being an arm piece and
	for converting rotary into oscillatory	a link piece}
	- · · · · · · · · · · · · · · · · · · ·	1/345 { the elements being a link piece and a
1/10	movement}	
1/18	mechanically {(<u>B60S 1/166</u> takes	mounting head}
	precedence)}	1/3452 {the joint being a snap fit pivot
1/185	• • • • • { with means for stopping or setting the	joint}
	wipers at their limit of movement}	1/3454 { the joint being at end of mounting
1/20	by cable drives; by flexible shafts	head furthest away from blade}
1/22	by rotary cams	1/3456 {Locks or stays for holding arms in
1/24	by rotary cranks	fully folded back position}
1/245	• • • • • • • • • • • • • • • • • • •	1/3459 {the element being a mounting head
1/243	between the motor driven axle and the	and a shaft}
		1/3461 { with means to adjust the
1/06	wiper arm axle}	orientation of the head relative to
1/26	by toothed gearing	shaft}
1/28	characterised by a plurality of wipers	
	(<u>B60S 1/06</u> takes precedence)	1/3463 {Means to press blade onto screen}
1/30	arranged both outside and inside	1/3465 {with coil springs}
1/32	characterised by constructional features of	1/3468 {Mountings therefor}
	wiper blade arms {or blades}	1/347 { with adjustment means to adjust
1/34	Wiper arms; Mountings therefor {(wiper	wiping pressure (during wiping
	arms provided with liquid spreading means	<u>B60S 1/3411</u>)}
	B60S 1/522; with gas spreading means	
	B60S 1/544)}	
	 , _ , _ , _ , _ , _ , _ , _ , _ ,	

Post			
1/3475 with balue or ked springs 1/3477 with catomeric or nuber springs 1/3479 Means to cover the wiper parts 2001/3834 (equipped with thusb-like clements 1/3484 for mounting head 2001/3837 (with more than one wiping edge or 1/3484 for mounting head 2001/3837 (with more than one wiping edge or 1/3484 for mounting head 2001/3837 (with more than one wiping edge or 1/3484 for mounting wiper arms onto the whicle of which for mounting wiper arms onto the which for mounting the wiper bearing to the which edge for membrane for membr	1/3472	with adjustment means to keep wiping pressure constant (varying	2001/3831 {cleaning by scrubbing or abrasive action}
1/4475 with balace rel asprings scraping elements, e.g., for removing 1/4477 with elamented or number springs 1/4477 with elamented or number springs 2001/3834 lequipped with humst-like elements 1/4484 f. for mounting head 2001/3837 with none than one wiping edge or 1/4486 Means to allow blade to follow lup 1/4481 for mounting head 2001/3837 with none than one wiping edge or 1/4486 Means to allow blade to follow lup 1/4481 for mounting wiper arms onto the vivilied 1/4488 Means for mounting wiper arms onto the vivilied 1/449 Means for mounting the wiper hearing 2001/3841 Squeegee modifications to prevent 1/4493 Means for mounting the wiper hearing 2001/3841 Squeegee modifications to prevent 2001/3841 Squeegee modifications to prevent 2001/3841 squeege 1/4495 Means for mounting the wiper hearing 2001/3841 squeegee 1/4495 Means for mounting the drive mechanism to the wiper bearing 2001/3841 squeegee 1/4497 Additional means for guiding the blade other than the arm or blade joint] 1/456 Variable-length arms 1/456 Variable-length arms 1/456 The deciral velocity being automatically varied during angular oscillation of the arm 1/458 Flore the speed of the prevention of the arm 1/458 Flore the speed of the prevention 1/4584 Flore the spee			2001/3832 (cleaning by rigid or semi-rigid
1/3479 (Means to cover the wiper parts) 2000/3834 (equipped with brush-like elements)	1/3475	• • • • • { with blade or leaf springs }	
1/3484 ([for mounting head] (2001/3835] (characterised by cross-sectional shape) (1/3486 ([Means to allow blade to follow curature of the servenic (i.e. rutation along longitudinal axis of the arm) (2001/3836] ([with more than one wiping edge or hip) (Means for mounting wiper arms onto the vehicle body) (Means for mounting the wiper bearing to the vehicle body) (Means for mounting the wiper shart) (2001/3843 (equipped with removable cover or protective elements) (2001/3844 (equipped with removable cover or protective elements) (2001/3845 (equipped with removable cover or protective elements) (2001/3846 (Devices for renewing or removating blade wiper bearing) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3846 (Devices for renewing or removating blade wiper dealth) (2001/3847 (Characterised by a follow pin of late assembly) (2001/3847 (Characterised by a support dealth) (2001/3847 (Characterised by a support dealth) (2001/3847 (Characterised by a support dealth) (2001/3847 (Characterised by a deciding of superege) (2001/3847 (Characterised by a deciding	1/3477	• • • • • { with elastomeric or rubber springs }	ice}
1/484 (Incr mounting head) 2001/8856 (characterised by cross-sectional shape) 1/486 (Means to allow blade to follow curvature of the screen (i.e. rotation along longitudinal axis to fit he arm) 2001/8851 (with more than one whipse degae or lip) (Means for mounting where arms onto the vehicle body) (Means for mounting me wiper bearing to the vehicle body) (Means for mounting the wiper bearing) (Means for mounting the wiper bearing) (Means for mounting the wiper shart) (Means for mounting the wiper shart) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade other than the arm or blade joint) (Additional means for guiding the blade spreading means floor) (Additional means floor) (1/3479	{Means to cover the wiper parts}	2001/3834 {equipped with brush-like elements}
1/3484 (Integral with arm or link piece)	1/3481		2001/3836 {characterised by cross-sectional shape}
1/3486 Means to allow bade to follow cuvature of the screen (i.e. rotation along tongitudinal axis of the arm) 2001/3841 Means for mounting wiper arms onto the vehicle 2001/3841 Means for mounting the wiper bearing to the vehicle body 2001/3841 Means for mounting the wiper bearing to the vehicle body 2001/3843 Means for mounting the wiper bearing to the vehicle body 2001/3844 Lequipped with removable cover or protective elements 1/3495 Means for mounting the drive mechanism to the wiper sharth in the wiper bearing 2001/3844 Lequipped with removable cover or protective elements 1/3497 Additional means for guiding the blade other than the arm or blade joint 1/3497 Additional means for guiding the blade other than the arm or blade joint 1/3497 Additional means for guiding the blade vision edges, e.g. cutters) 1/3497 Additional means for guiding the blade vision edges, e.g. cutters 1/3498 Like-defective length being automatically vision edges, e.g. cutters 1/3498 Like-defective length being automatically vision edges, e.g. cutters 1/3498 Like-defective length being automatically vision edges, e.g. cutters 1/3498 Like-defective length being automatically vision edges, e.g. cutters 1/3498 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges, e.g. cutters 1/3499 Like-defective length being automatically vision edges,	1/3484		2001/3837 { with more than one wiping edge or
1/348 Means for mounting wiper arms not to be vehicle	1/3486		lip}
1/3488 (Means for mounting the where barring to the vehicle)		curvature of the screen (i.e. rotation along	
1/349 (Means for mounting the wiper bearing to the vehicle body) 2001/3843 (equipped with removable cover or protective elements) 1/3493 (Means for mounting the wiper shaft in the wiper bearing) 2001/3844 (equipped with means to indicate wear or usage of blade) 1/3497 (Additional means for guiding the blade other than the arm or blade joint) 1/365 (Indicate a man or blade joint) 1/365 (Indicate a man or blade joint) 1/365 (Indicate a man or blade joint) 1/384 (Plat-type wiper blade, i.e., without harmes) 1/385 (Indicate a man) 1/3849 (Connectors therefor; Connection to wiper arm via the child to blade) 1/3851 (Mounting of connect to blade assembly) 1/3851 (Mounting of connect to blade assembly) 1/3851 (Mounting of connect to blade assembly) 1/3851 (Sinap-fit, e.g. elastic connection) 1/3851 (Sinap-fit, e.g. elastic connection) 1/3852 (Ginepring the blade) 1/3853 (Sinap-fit, e.g. elastic connection) 1/3854 (Ginepring the blade) 1/3855 (Ginepring the blade) 1/3856 (Giripping the blade) 1/3856 (Giripping the blade) 1/3856 (Giripping the blade) 1/3856 (Giripping the blade) 1/3862 (Ginepring the blade) 1/3862 (Ginepring the blade) 1/3862 (Ginepring the blade) 1/3862 (Ginepring the blade) 1/3863 (Ginepring the through) 1/3865 (Ginepring the throug	1/3488	• • • • {Means for mounting wiper arms onto the	2001/3841 {Squeegee modifications to prevent
1/3493 Means for mounting the wiper shaft in the wiper bearing 1/3495 Means for mounting the drive mechanism to the wiper shaft 2001/3844 (equipped with means to indicate wear or usage of blade) (Partype wiper blade other than the arm or blade joint) 1/3497 (Additional means for guiding the blade other than the arm or blade joint) 1/365 (the effective length being automatically varied during angular oscillation of the arm) 1/365 (the effective length being automatically varied during angular oscillation of the arm) 1/3848 (Flattype wiper blade, i.e. without harms) 1/3849 (Connectors therefor: Connection to wiper arm; Attached to blade) 1/3851 (Mounting of connection to blade assembly) 1/3801 (characterised by a blade support 1/3855 (Bunp-fit, e.g. clastic connection) 1/3801 (characterised by a blade support 1/3856 (Giripping the blade) 1/3805 (electrically) 1/3806 (fleaterised) (fleaterised) 1/3806 (fleaterised) (fleaterised) 1/3806 (fleaterised) (fleaterised) 1/3807 (fleaterised by the joint between clements) (fleaterised by the joint between clements) (fleaterised by the being a tessentially planar reinforcing strip, e.g. vertebra) 1/3807 (fleaterised by the being a tessentially planar reinforcing strip, e.g. vertebra) 1/3807 (fleaterised by the being a tessentially planar reinforcing strip, e.g. vertebra) 1/3807 (fleaterised by the being a tessentially planar reinforcing strip, e.g. vertebra) 1/3807 (fleaterised by the deeper on minimum of squeegee in support) 1/3807 (fleaterised by the deeper on minimum of squeegee in support) 1/3808 (fleaterised)	1/349	• • • • • {Means for mounting the wiper bearing	support structure}
the wiper hearing 2001/3844 (equipped batch means to indicate wear or usage of blades 1/3497 (Additional means for guiding the blade other than the arm or blade joint) 1/3497 (Additional means for guiding the blade other than the arm or blade joint) 1/3498 (Pleat-type wiper blade, i.e. without harmess) 1/365 (the effective length being automatically varied during angular oscillation of the arm 1/385 (Mounting one connection to wiper arm: Attached to blade) 1/380 (Variable-length means B608 L524) provided with 1/3851 (Mounting one connection to wiper arm: Attached to blade) 1/3801 (characterised by a blade support) 1/3855 (by welding, gluing or the like) 1/3801 (characterised by a blade support) 1/3855 (by welding, gluing or the like) 1/3803 (leated wiper blades) 1/3805 (Gripping the blade) 1/3806 (lectrically) 1/3866 (lectrically) 1/3866 (lectrically) 1/3863 (lectrically) 1/3863 (connectors having as wing as spielar) 1/3806 (lectrically) 1/3863 (Connectors having as wing as poiler) 1/3808 (specific manner) 1/3808 (specific manner) 1/3809 (lectrically) 1/3863 (Connectors having as wing as poiler) 1/3808 (specific manner) 1/3808 (specific manner) 1/3806 (lectrically) 1/3863 (Connectors having as wing as poiler) 1/3808 (specific manner) 1/3	1/2/02		
1/3495 Means for mounting the drive mechanism to the wiper shaft 2001/3846 Devices for renewing or renovating blade wiping edges, e.g. cutters 1/366 Variable-length arms 1/365 (the effective length being automatically varied during angular oscillation of the arm 1/381 Wiper blades ((provided with liquid spreading means B60S 1/524; provided with gas spreading means B60S 1/5261) 1/3855 (Mounting of connector to blade assembly) 1/3850 (Characterised by a blade support blades 1/3805 (Electrically) 1/3806 (Means, or measures taken, for influencing the aerodynamic quality of the wiper blades) 1/3806 (Means, or measures taken, for influencing the aerodynamic quality of the wiper blades) 1/3806 (Spoiler integral with the squeegee) 1/3807 (Founectors having a spoiler) 1/3808 (Spoiler mittegral with the squeegee) 1/3807 (Founectors having a spoiler) 1/3808 (Spoiler mittegral with the squeegee) 1/3807 (Founectors having a spoiler) (Founectors blade) (Founectors having a spoiler) (Founectors blade) (Founectors having a spoiler) (Founectors blade) (Founectors blad	1/3493		
1/3497 (Additional means for guiding the blade other than the arm to blade joint) 1/3497 (Additional means for guiding the blade other than the arm to blade joint) 1/348 (Flat-type wiper blade, i.e. without harmess) 1/365 (the effective length being automatically varied during angular oscillation of the arm) 1/3849 (Connectors therefor; Connection to wiper arm; Attached to blade) arm) 1/3851 (Mounting of connector to blade assembly) spreading means BoOS 1/524; provided with gas spreading means BoOS 1/524; provided with gas spreading means BoOS 1/5240) 1/3855 (Mounting of connector to blade assembly) 1/3851 (Mounting of connector to blade assembly) 1/3852 (Margorita of the kill) 1/3853 (Margorita of the kill) 1/3853 (Margorita of the kill) 1/3853 (Margorita of the kill) 1/3854 (Margorita of the kill) 1/3855 (Margorita of the kill) 1/3856 (Margorita of the kill) 1/3	1/2405	* **:	
1/3497 Additional means for guiding the blade other than the arm or blade joint 1/3848 Flat-type wiper blade, i.e. without harness 1/365 4 the effective length being automatically varied during angular oscillation of the arm 1/3849 (Connectors therefor, Connection to wiper arm; Attached to blade) 1/3849 (Sangarit, Attached to blade) 1/3851 Mounting of connector to blade assembly) 1/3851 Mounting of connector to blade assembly 1/3852 Mounting of connector to blade assembly 1/3852 Mounting of the like Mounting of the like Mounting of the like Mounting of connector to blade assembly 1/3855 Mounting of the like Mounting of the like Mounting of connector to blade assembly 1/3855 Mounting plain or the like Mounting of connector to blade assembly 1/3856 Mounting of connector having and the like Mounting of connector having an integral private plant with the squeegee of blade rubber 1/3867 Mounting of connector having an integral private plant with the squeegee of blade rubber 1/3875 Mounting of squeegee in support 1/3875 Mounting of mounting of squeegee in support 1/3876 Mounting of end caps 1/3887 Mou	1/3495		
1/36	1/2407		
1/36 Variable-length arms 1/365 (the effective length being automatically varied during angular oscillation of the arm) 1/3849 (Connectors therefor; Connection to wiper arm; Attached to blade) 1/385 (Mounting of connector to blade assembly) 1/385 (Mounting of connector to blade) 1/385 (Sang-fit, e.g., elastic connection) 1/3851 (Sang-fit, e.g., elastic connection) 1/3855 (Sang-fit, e.g., elastic connection) 1/3855 (Sang-fit, e.g., elastic connection) 1/3856 (Gripping the blade) 1/3856 (Gripping the blade) 1/3856 (Gripping the blade) 1/3858 (with protrousions cooperating with bloes) 1/3865 (Edeptically) 1/3866 (Edeptically) 1/3868	1/3497		
1/365 Che effective length being automatically varied during angular oscillation of the arm 1/3849 Connectors therefor; Connection to wiper arm; Attached to blade arm 1/385 (Mounting of connector to blade assembly) 1/386 (Spap-fit, e.g., elastic connection) 1/3851 (Shap-fit, e.g., elastic connection) 1/3851 (Shap-fit, e.g., elastic connection) 1/3851 (Shap-fit, e.g., elastic connection) 1/3855 (By welding, gluing or the like) 1/3856 (Giripping the blade) 1/3856 (Imade in two halves) 1/3863 (Imade in two halves) 1/3864 (Imade in two halves) 1/3865 (Imade in two halves	1/26	v ,	
varied during angular oscillation of the arm) 1/381 Wiper blades ((provided with liquid spreading means B608 L/52£p provided with gas spreading means B608 L/5461) 1/3801 (characterised by a blade support lamess consisting of several articulated elements (B608 L/5803, B608 L/3806 take precedence)) 1/3803 (heated wiper blades) 1/3805 (electrically) 1/3806 (Means, or measures taken, for influencing the aerodynamic quality of the wiper blades) 1/3808 (Spoiler integral with the squeegee) 1/3808 (Spoiler integral with the squeegee) 1/3811 (Spoilers mounted on the squeegee or on the vertebra) 2001/3812 (Means of supporting or holding the squeegee or blade rubber) 2001/3813 (charcterised by the joint between elements) 2001/3814 (chacterised by the joint between elements) 2001/3815 (chacterised by a backing strip to aid mounting of squeegee in support) 2001/3818 (the backing strip being a cassmidly planar reinforcing strip, e.g. vertebra) 2001/3822 (the backing strip being a cassmidly planar reinforcing strip, e.g. vertebra) 2001/3824 (the backing strip being a cassmidly planar reinforcing strip, e.g. vertebra) 2001/3825 (the squeegee mounted directly to or in wiper blade arm) 2001/3827 (characterised by the squeegee or blade rubber or wiping element) 2001/3829 (characterised by the squeegee or blade rubber or wiping element) 2001/3829 (characterised by the minute of the squeegee) 1/3896 (sharacterised by the minute of the squeegee) 1/3896 (sharacterised by the squeegee or blade rubber or wiping element) 2001/3829 (characterised by the minute of the			•
arm) 1/38 Wiper blades {(provided with liquid spreading means B60S 1/524; provided with gas spreading means B60S 1/524; provided with gas spreading means B60S 1/5246; provided with gas spreading means B60S 1/5246) 1/3855 (by welding, gluing or the like) 1/3801 (characterised by a blade support harness consisting of several articulated elements (B60S 1/3803, B60S 1/3806 take precedence) 1/3858 (with protrusions cooperating with holes) 1/3803 (heated wiper blades) 1/3862 (Transport of liquid there through) 1/3805 (electrically) 1/3863 (Connectors having a spoiler) 1/3806 (Means, or measures taken, for influencing the aerodynamic quality of the wiper blades) 1/3808 (Spoiler integral with the squeegee) 1/3865 (Connectors having a nitegral pivot pin for connection with the wiper arm) 1/381 (Spoilers mounted on the squeegee) 1/3867 (pin formed on the interior of side walls) 2001/3812 (Means of supporting or holding the squeegee or blade rubber) 2001/3813 (chacterised by a support harness consisting of several articulated elements) 2001/3815 (chacterised by the joint between elements) 2001/3817 (chacterised by the joint between elements) 2001/3818 (the backing strip being an essentially planar reinforcing strip, e.g. vertebra) 2001/382 (characterised by additional means to prevent longitudinal sliding of squeegee in support, e.g. cips) 2001/3824 (the blade or squeegee privoting about an axis parallel to blade longitudinal axis) 2001/3827 (characterised by the squeegee or blade rubber or wiping element) 2001/3829 (characterised by the squeegee or blade rubber or wiping element) 2001/3829 (characterised by the material of the late) 2001/3829 (characterised by the material of the	1/303		· · · · · · · · · · · · · · · · · · ·
1/38 Wiper blades ((provided with liquid spreading means B60S 1/524; provided with gas spreading means B60S 1/524; provided with liquid gas spreading means B60S 1/524; provided with leaves constained and support blades 1/3865			
spreading means B60S 1/524: provided with gas spreading means B60S 1/524: provided with gas spreading means B60S 1/546) 1/3855 (by welding, guing or the like) 1/3851 (characterised by a blade support 1/3856 (Gripping the blade) harness consisting of several articulated elements (B60S 1/380, B60S 1/3806 take precedence)) 1/3866 (made in two halves) 1/3803 (heated wiper blades) 1/3862 (Transport of liquid there through) 1/3805 (electrically) 1/3863 (Connectors having a spoiler) 1/3806 (Means, or measures taken, for influencing the aerodynamic quality of the wiper blades) 1/3808 (Spoiler integral with the squeegee) 1/3808 (Spoiler integral with the squeegee) 1/381 (Spoilers mounted on the squeegee or on the vertebra) 1/381 (Spoilers mounted on the squeegee or on the vertebra) 1/381 (Chacterised by a support harness consisting of several articulated elements) (chacterised by the joint between elements) 1/3872 (without connector, e.g. connection to wiper arm via squeege or blader inliber) 1/3875 (rectangular section) 1/3879 (placed in idequal rectangle) 1/3881 (fabacterised by a bade subport 1/3879 (placed in idequal rectangle) 1/3881 (fabacterised by a bade subport 1/3882 (C-shape section) 1/3882 (C-shape section) 1/3884 (fine data) 1/3889 (cooperating with holes in the vertebra) 1/3891 (with locking device) 1/3891 (characterised by the material of the 1/3894 (having a particular shape) 1/3896 (with openings at the longitudinal and the longitudinal and the longitudinal and the longitudinal and longitudinal and the longitudinal and longitu	1/38		
gas spreading means B60S 1/546) 1/3855 (by welding, gluing or the like) 1/3801 (characterised by a blade support 1/3856 (Gripping the blade) harness consisting of several articulated elements (B60S 1/3803, B60S 1/3806 take precedence) 1/3803 (heated wiper blades) 1/3805 (electrically) 1/3805 (electrically) 1/3806 (Means, or measures taken, for influencing the aerodynamic quality of the wiper blades) 1/3806 (Means, or measures taken, for influencing the aerodynamic quality of the wiper blades) 1/3808 (Spoiler integral with the squeegee) 1/3867 (Connectors having a spoiler) 1/381 (Spoilers mounted on the squeegee or on the vertebra) 1/3868 (Spoiler integral with the squeegee) 1/3867 (pin formed on the interior of side walls) (Means of supporting or holding the squeegee or blade rubber) 1/387 (the connector being suitable for receiving different types of adapter) 1/387 (the connector being suitable for receiving different types of adapter) 1/3872 (without connector, e.g. connection to wiper arm via squeegee or vertebra) 1/3875 (rectangular section) 1/3875 (rectangular section) 1/3877 (embedded in the squeegee) 1/3879 (placed in side grooves in the squeegee) 1/3880 (End caps) 1/3881 (in additional element, e.g. not continuous) 1/3881 (in additional element, e.g. spoiler) 1/3882 (C-shape section) 1/3884 (Wire-shaped section) 1/3886 (End caps) 1/3887 (with locking device) 1/3887 (with locking device) 1/3889 (cooperating with holes in the vertebra) 1/3891 (with locking device) 1/3891 (with locking device) 1/3892 (characterised by the squeegee ploader rubber or wiping element) 1/3894 (having a particular shape) 1/3894 (having a particular shape) 1/3895 (cooperating with holes in the squeegee) 1/3896 (with locking device) 1/3896 (with lockin	1/30		· · · · · · · · · · · · · · · · · · ·
1/3801 Characterised by a blade support harness consisting of several articulated elements (Books) 1/3803, B608 1/3806 take precedence) 1/386			
harness consisting of several articulated elements (B60S 1/3803, B60S 1/3806 take precedence) 1/3866	1/3801		
elements (B60S 1/3803, B60S 1/3806 take precedence) 1/3806 (made in two halves)	1,5001		
1/3803 (heated wiper blades) 1/3862 (Transport of liquid there through)			
1/3803 (heated wiper blades) 1/3862 (Transport of liquid there through)		precedence)}	1/386 {made in two halves}
1/3805 (electrically) 1/3863 (Connectors having a spoiler)	1/3803	• • • • {heated wiper blades}	
1/3806 {Means, or measures taken, for influencing the aerodynamic quality of the wiper blades } 1/3808 {Spoiler integral with the squeegee} 1/3867 {pin for connection with the wiper arm} 1/3818 {Spoilers mounted on the squeegee or on the vertebra} 1/3868 {Spoiler integral with the squeegee or on the vertebra} 1/3868 {pin formed on the interior of side walls} 1/3812 {Means of supporting or holding the squeegee or blade rubber} 1/387 {the connector being suitable for receiving different types of adapter} 1/3872 {without connector, e.g. connection to wiper arm via squeegee or vertebra} 1/3872 {without connector, e.g. connection to wiper arm via squeegee or vertebra} 1/3875 {rectangular section} 1/3875 {rectangular section} 1/3877 {embedded in the squeegee} 1/3879 {placed in side grooves in the squeegee} 1/3881 {in additional element, e.g. spoiler} 1/3882 {c-shape section} 1/3881 {in additional element, e.g. spoiler} 1/3882 {c-shape section} 1/3884 {wire-shaped section} 1/3887 {wire-shaped section} 1/3889 {cooperating with holes in the vertebra} 1/3889 {cooperating with holes in the vertebra} 1/3889 {wire-shaped section} 1/3889 {	1/3805	• • • • {electrically}	1/3863 {Connectors having a spoiler}
influencing the aerodynamic quality of the wiper blades} 1/3808	1/3806		
1/381 Spoilers mounted on the squeegee or on the vertebra 1/3868 Spin formed on the exterior of side walls Squeegee or blade rubber 1/387 Squeegee Squeegee or blade rubber 1/387 Squeegee Squeegee or blade rubber 1/3872 Squeegee Squeegee or squeegee or blade rubber 1/3872 Squeegee or sq			•
Spoilers mounted on the squeegee or on the vertebra on the vertebra on the vertebra of the v	1/3808	• • • • • {Spoiler integral with the squeegee}	1/3867 {pin formed on the interior of side
2001/3812 . {Means of supporting or holding the squeegee or blade rubber}	1/381		•
squeegee or blade rubber} 2001/3813	2001/3812	,	**
2001/3813	2001/2012		,
consisting of several articulated elements} 2001/3815	2001/3813		
elements wiper arm via squeegee or vertebra 2001/3815			
2001/3815 . {chacterised by the joint between elements}		elements}	
elements} 2001/3817 . {chacterised by a backing strip to aid mounting of squeegee in support} 2001/3818 . {the backing strip being a channel-like element, e.g. not continuous} 2001/382 . {the backing strip being an essentially planar reinforcing strip, e.g. vertebra} 2001/3822 . {characterised by additional means to prevent longitudinal sliding of squeegee in support, e.g. clips} 2001/3824 . {the squeegee pivoting about an axis parallel to blade longitudinal axis} 2001/3825 . {the squeegee mounted directly to or in wiper blade arm} 2001/3827 . {characterised by the squeegee or blade rubber or wiping element} 2001/3829 . {characterised by the material of the 1/3875 . {embedded in the squeegee} 1/3879 . {placed in side grooves in the squeegee} 1/3881 . {in additional element, e.g. spoiler} 1/3882 . {C-shape section} 1/3884 . {Wire-shaped section} 1/3886 . {End caps} 1/3887 . {Mounting of end caps} 1/3889 . {cooperating with holes in the vertebra} 1/3891 . {with locking device} 1/3891 . {with locking device} 1/3893 . {cooperating with holes in the squeegee} 1/3894 . {having a particular shape} 1/3894 . {having a particular shape} 1/3896 . with opnings at the longitudinal avitation and the longitudinal avitation and the squeegies} 1/3894 . {with opnings at the longitudinal avitation and avitation and the longitudinal avitation and the longitudinal avitation and the longitudinal avitation and avitatio	2001/3815	{chacterised by the joint between	
2001/3817 . {chacterised by a backing strip to aid mounting of squeegee in support}		elements}	
mounting of squeegee in support} 2001/3818 { the backing strip being a channel-like element, e.g. not continuous} 2001/382 { the backing strip being an essentially planar reinforcing strip, e.g. vertebra} 2001/3822 { characterised by additional means to prevent longitudinal sliding of squeegee in support, e.g. clips} 2001/3824 { the blade or squeegee pivoting about an axis parallel to blade longitudinal axis} 2001/3825 { the squeegee mounted directly to or in wiper blade arm} 2001/3827 . { characterised by the squeegee or blade rubber or wiping element} 2001/3829 { characterised by the material of the} 1/3879 { placed in side grooves in the squeegee} 1/3881 { in additional element, e.g. spoiler} 1/3882 . { C-shape section} 1/3884 . { Wire-shaped section} 1/3886 . { End caps} 1/3887 { Mounting of end caps} 1/3889 { cooperating with holes in the vertebra} 1/3891 { with locking device} 1/3893 { cooperating with holes in the squeegee} 1/3894 { having a particular shape} 1/3894 . { with openings at the longitudinal automatical of the squeegein support.} 1/3896 { with openings at the longitudinal automatical of the squeegee} 1/3896 { with openings at the longitudinal automatical of the squeegee} 1/3896 { with openings at the longitudinal automatical of the squeegee} 1/3896 { with openings at the longitudinal automatical of the squeegee} 1/3896 { with openings at the longitudinal automatical of the squeegee} 1/3896 { with openings at the longitudinal automatical of the squeegee} 1/3896	2001/3817	(chacterised by a backing strip to aid	· · · · · · · · · · · · · · · · · · ·
2001/3818 { the backing strip being a channel-like element, e.g. not continuous} 2001/382 { the backing strip being an essentially planar reinforcing strip, e.g. vertebra} 2001/3822 { characterised by additional means to prevent longitudinal sliding of squeegee in support, e.g. clips} 2001/3824 { the blade or squeegee pivoting about an axis parallel to blade longitudinal axis} 2001/3825 { the squeegee mounted directly to or in wiper blade arm} 2001/3827 { characterised by the squeegee or blade rubber or wiping element} 2001/3829 { characterised by the material of the} 1/3881 { in additional element, e.g. spoiler} 1/3882 { C-shape section} 1/3884 { Wire-shaped section} 1/3886 { End caps} 1/3887 { Cooperating with holes in the vertebra} 1/3891 { with locking device} 1/3893 { cooperating with holes in the squeegee} 1/3894 { having a particular shape} 1/3896 { with openings at the longitudinal auterities}		mounting of squeegee in support}	` * * * * * * * * * * * * * * * * * * *
like element, e.g. not continuous} 2001/382	2001/3818		•
2001/3822 {the backing strip being an essentially planar reinforcing strip, e.g. vertebra} 2001/3822 {characterised by additional means to prevent longitudinal sliding of squeegee in support, e.g. clips} 2001/3824 {the blade or squeegee pivoting about an axis parallel to blade longitudinal axis} 2001/3825 {the squeegee mounted directly to or in wiper blade arm} 2001/3827 {characterised by the squeegee or blade rubber or wiping element} 2001/3829 {characterised by the material of the 1/3882 {C-shape section} 1/3884 {Wire-shaped section} 1/3886 {End caps} 1/3887 {Mounting of end caps} 1/3889 {cooperating with holes in the vertebra} 1/3891 {with locking device} 1/3893 {cooperating with holes in the squeegee} 1/3894 {having a particular shape} 1/3896 {with openings at the longitudinal enterprities}			
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2001/3822 {characterised by additional means to prevent longitudinal sliding of squeegee in support, e.g. clips} 2001/3824 {the blade or squeegee pivoting about an axis parallel to blade longitudinal axis} 2001/3825 {the squeegee mounted directly to or in wiper blade arm} 2001/3827 {characterised by the squeegee or blade rubber or wiping element} 2001/3829 {characterised by the material of the} 1/3886 {End caps} 1/3887 {Mounting of end caps} 1/3889 {cooperating with holes in the squeegee} 1/3891 {with locking device} 1/3893 {cooperating with holes in the squeegee} 1/3894 {having a particular shape} 1/3896 {with openings at the longitudinal entropy itself.}			
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2001/3825 {the blade of squeegee proofing about all axis parallel to blade longitudinal axis} 2001/3825 {the squeegee mounted directly to or in wiper blade arm} 2001/3827 {characterised by the squeegee or blade rubber or wiping element} 2001/3829 {characterised by the material of the roof the squeegee proofing about all vertebra} 1/3891 {with locking device} 1/3893 {cooperating with holes in the squeegee} 1/3894 {having a particular shape} 1/3896 {with openings at the longitudinal enterprises}			
2001/3825 {the squeegee mounted directly to or in wiper blade arm} 2001/3827 {characterised by the squeegee or blade rubber or wiping element} 2001/3829 {characterised by the material of the} 1/3891 {with locking device} 1/3893 {cooperating with holes in the squeegee} 1/3894 {having a particular shape} 1/3896 {with openings at the longitudinal entermities}	2001/3824		
wiper blade arm } 2001/3827 {characterised by the squeegee or blade rubber or wiping element} 2001/3829 {characterised by the material of the} 1/3893 {cooperating with holes in the squeegee} 1/3894 {having a particular shape} 1/3896 {with openings at the longitudinal rutomities}	2001/2555		,
2001/3827 {characterised by the squeegee or blade rubber or wiping element} 1/3894 {having a particular shape} 2001/3829 {characterised by the material of the 1/3896 {with openings at the longitudinal enterprises}	2001/3825		
rubber or wiping element 1/3894	2001/2027	- · · · · · · · · · · · · · · · · · · ·	
2001/3829 {characterised by the material of the	2001/3827		
2001/362) (Characterised by the material of the	2001/2020		
	2001/3829	- · · · · · · · · · · · · · · · · · · ·	

2001/3898 1/40 1/4003	 {method for manufacturing wiper blades} Connections between blades and arms {Multi-purpose connections for two or more kinds of arm ends} 	2001/408	• • • • • {the connecting part or the intermediate element being provided with holes for different diameters of pivoting pin}
	· ·	1/4083	• • • • { for arms provided with a flat end }
	NOTE Multi-aspect classification is applied	1/4087	{the end being provided with protrusions or holes}
	for technical subjects relating to the arms and covered by subgroups B60S 1/4006 - B60S 1/4083	2001/409	• • • • {characterised by the arm or connecting part mounted on the arm presenting a shaped opening for bearing the pivot axis}
1/4006	• • • • { for arms provided with a hook-shaped end }	2001/4093	characterised by the mounting of the pivot on the main yoke of the blade
1/4009	{comprising a detachable intermediate element mounted on the hook-shaped	2001/4096	• • • • {Connections between arm and blade not using a cylindrical pivot axis on the blade}
	end}	1/42	resilient
2001/4012	• • • • • { the element being provided with bearing surfaces on its side walls }	1/44	• • • the wiper blades having other than swinging movement, e.g. rotary {(the wiper blade
1/4016	• • • • • { the element being provided with retention means co-operating with the		support member, e.g. arm, having a swinging movement <u>B60S 1/32</u>)}
	hook-shaped end of the arm}	1/46	 using liquid; Windscreen washers
1/4019	{the retention means being	1/48	Liquid supply therefor
1/4019	protrusions or holes}	1/481	• • • • {the operation of at least part of the liquid
2001/4022	{the element being provided with a locking element movable thereon}		supply being controlled by electric means (electrical washing liquid warming-up means B60S 1/488)}
	the element being able to receive pivot pins of different diameters?	1/482	• • • • {combined with the operation of windscreen wipers}
	the element being able to receive arms of different widths	1/483	• • • • {using a supply pump driven by the windscreen-wiper motor}
2001/4032	arms with hooks of different radiuses}	1/485	• • • • (including control systems responsive to external conditions, e.g. by detection of
2001/4035	• • • • • { the connection being covered by a removable cover mounted on the blade }	1/486	moisture, dirt or the like} {including control systems responsive to
1/4038	{for arms provided with a channel-shaped end}	1/487	a vehicle driving condition, e.g. speed} {the liquid being heated (nozzles provided
1/4041	a pivot pin mounted between the side	1/487	with heating means B60S 1/52)} {electrically}
	walls}		
1/4045	{comprising a detachable intermediate	1/50	Arrangement of reservoir
	element mounted on the channel-shaped end}	1/52	Arrangement of nozzles; {Liquid spreading means} (nozzles per se B05B)
1/4048	• • • • • • { the element being provided with retention means co-operating with the	1/522	• • • • {moving liquid spreading means, e.g. arranged in wiper arms}
	channel-shaped end of the arm}	1/524	• • • • • {arranged in wiper blades}
2001/4051	• { the intermediate element engaging the side walls of the arm}	1/526	• • • • • {according to vehicle movement characteristics, e.g. speed, or climatic
2001/4054	• • • • • • { the intermediate element engaging		conditions, e.g. wind}
2001/4058	the back part of the arm} {comprising a separate locking element,	1/528	the spreading means being moved between a rest position and a
2001/4036	e.g. in addition to an intermediate element}		working position (<u>B60S 1/526</u> takes precedence)}
2001/4061	(covered by a removable cover mounted	1/54 1/542	using gas, e.g. hot air{using wiping devices}
1/4064	on the blade} {the channel-shaped end being provided	1/544	(moving gas spreading means, e.g. arranged in wiper arms)
	with protrusions on, or holes in, the side	1/546	• • • {arranged in wiper blades}
4 /40 -=	walls to create a pivot}		
1/4067	• • • • {for arms provided with a side pin}	1/548	{according to vehicle movement
1/407	• • • • • { with means provided on the arm for locking the side pin}		characteristics, e.g. speed, or climatic conditions, e.g. wind}
1/4074	• • • • • { with means provided on the blade for locking the side pin}	1/56	 specially adapted for cleaning other parts or devices than front windows or windscreens
1/4077	• • • • • {characterised by the connecting part of, or an intermediate element mounted on,		{(rear-view mirror arrangements mounted on vehicle exterior including cleaning devices
	the wiper blade (means for locking the side pin <u>B60S 1/4074</u>)}	1/563	B60R 1/0602)} {for registration, licensing or like devices}

1/566	• • {including wiping devices (<u>B60S 1/563</u> , <u>B60S 1/583</u> take precedence)}	5/00	Servicing, maintaining, repairing or refitting of vehicles ({collecting or removing exhaust gases in
1/58	• • • for rear windows		workshops <u>B08B 15/002</u> ; straightening vehicle body
1/583	• • • {including wiping devices}		parts <u>B21D 1/12</u> , <u>B21D 1/14</u> }; vehicles adapted
1/586	{including defroster or demisting means}		to carry a workshop for servicing or maintenance
1/60	for signalling devices, e.g. reflectors		B60P 3/14; servicing rail locomotives B61K;
1/603	{the operation of at least a part of the		{registering or indicating the working of vehicles
1,005	cleaning means being controlled by electric		<u>G07C 5/00</u> : testing of vehicles <u>G01M 17/00</u> ;
	means}		arrangements for electrical testing G01R 31/00;
1/606	{combined with the operation of		devices for monitoring or checking brake systems
	windscreen or front window cleaning		<u>B60T 17/22</u> ; filling or draining lubricant <u>F01M 11/04</u> ;
	means}		means for collecting, retaining, or draining-off
1/62	Other vehicle fittings for cleaning		lubricant <u>F16N 31/00</u> ; draining of lubricant from
1/64	• • for cleaning vehicle interiors, e.g. built-in vacuum		gearing <u>F16H 57/0406</u> ; assembly or repair of springs
	cleaners		or dampers <u>F16F 9/3271</u> ; tool, instrument or work
1/66	for cleaning vehicle exterior		supports or storage means used in association with
1/68	for freeing wheels or tyres from foreign matter,	7.10 0	vehicles <u>B25H 5/00</u> })
-, -, -	e.g. wheel scrapers	5/02	• Supplying fuel to vehicles; General disposition of
1/685	• • • • {for two-wheeled vehicles}		plant in filling stations (apparatus for transferrring
			measured quantities of petrol, oil, or the like from storage space to vehicles <u>B67D</u>)
3/00	Vehicle cleaning apparatus not integral with	5/04	 Supplying air for tyre inflation (arrangement of
	vehicles (cleaning in general <u>B08B</u> ; cleaning peculiar	3/04	tyre inflating devices on vehicles <u>B60C 23/00</u> ; tyre
	to waterborne vessels <u>B63B 57/00</u> , <u>B63B 59/00</u> ;		pressure gauges G01L 17/00; {pumps actuated by
2/002	ground equipment for cleaning aircraft <u>B64F 5/30</u>)		muscle power $\underline{F04B \ 33/00}$ })
3/002	• {Vehicle drying apparatus}	5/043	• • {characterised by the inflation control means or
3/004	• {Conveyors for vehicle cleaning apparatus}		the drive of the air pressure system}
3/006	• {specially adapted for railway vehicles (<u>B60S 3/008</u>	5/046	• • • {using electrical or electronical means}
2/009	takes precedence)}	5/06	• Supplying batteries to, or removing batteries from,
3/008	• {for interiors of land vehicles}		vehicles (circuit arrangements for charging batteries
3/04	• for exteriors of land vehicles { (B60S 3/002,		<u>H02J 7/00</u>)
	B60S 3/004 take precedence; specially adapted for		
			0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2/0/11	railway vehicles <u>B60S 3/006</u>)}	9/00	Ground-engaging vehicle fittings for supporting,
3/041	• • {specially adapted for two-wheeled vehicles}	9/00	lifting, or manoeuvring the vehicle, wholly or in
3/041 3/042	• {specially adapted for two-wheeled vehicles}• {Wheel cleaning devices (integral with vehicle	9/00	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw
3/042	 • {specially adapted for two-wheeled vehicles} • {Wheel cleaning devices (integral with vehicle B60S 1/00)} 	9/00	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle
	 • {specially adapted for two-wheeled vehicles} • {Wheel cleaning devices (integral with vehicle B60S 1/00)} • {Hand-held cleaning arrangements with liquid 	9/00	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars <u>B60D 1/66</u> ; anti-theft devices acting on vehicle jacking means <u>B60R 25/001</u> }; lifting devices in
3/042	 • {specially adapted for two-wheeled vehicles} • {Wheel cleaning devices (integral with vehicle B60S 1/00)} • {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes 		lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M)
3/042	 • {specially adapted for two-wheeled vehicles} • {Wheel cleaning devices (integral with vehicle B60S 1/00)} • {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} 	9/02	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) • for only lifting or supporting
3/042	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. 	9/02 9/04	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars <u>B60D 1/66</u> ; anti-theft devices acting on vehicle jacking means <u>B60R 25/001</u> }; lifting devices in general <u>B66F</u> , supports in general <u>F16M</u>) for only lifting or supporting mechanically
3/042	 • {specially adapted for two-wheeled vehicles} • {Wheel cleaning devices (integral with vehicle B60S 1/00)} • {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} 	9/02 9/04 9/06	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars <u>B60D 1/66</u> ; anti-theft devices acting on vehicle jacking means <u>B60R 25/001</u> }; lifting devices in general <u>B66F</u> , supports in general <u>F16M</u>) for only lifting or supporting mechanically of screw-and-nut type
3/042	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like 	9/02 9/04 9/06 9/08	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars <u>B60D 1/66</u> ; anti-theft devices acting on vehicle jacking means <u>B60R 25/001</u> }; lifting devices in general <u>B66F</u> , supports in general <u>F16M</u>) for only lifting or supporting mechanically of screw-and-nut type the screw axis being substantially vertical
3/042 3/044 3/045	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} 	9/02 9/04 9/06 9/08 9/10	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type the screw axis being substantially vertical by fluid pressure
3/042 3/044 3/045	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means 	9/02 9/04 9/06 9/08 9/10 9/12	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type the screw axis being substantially vertical by fluid pressure of telescopic type
3/042 3/044 3/045 3/047	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} 	9/02 9/04 9/06 9/08 9/10 9/12 9/14	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically for screw-and-nut type here is the screw axis being substantially vertical by fluid pressure for both lifting and manoeuvring
3/042 3/044 3/045 3/047	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand- 	9/02 9/04 9/06 9/08 9/10 9/12	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle
3/042 3/044 3/045 3/047 3/048	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} 	9/02 9/04 9/06 9/08 9/10 9/12 9/14	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence)
3/042 3/044 3/045 3/047 3/048	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift
3/042 3/044 3/045 3/047 3/048 3/06	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g.
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g. reciprocably driven steppers or rotatably driven
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g. reciprocably driven steppers or rotatably driven cams (vehicles with ground-engaging propulsion
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of screw-and-nut type of the screw axis being substantially vertical the screw axis being substantially vertical where the screw axis being substantially vertical by fluid pressure to of telescopic type for both lifting and manoeuvring where the screw axis being substantially vertical where the screw axis being substantially vertical by fluid pressure to of telescopic type to
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of screw-and-nut type of the screw axis being substantially vertical the screw axis being substantially vertical where the screw axis being substantially vertical by fluid pressure to device the screw axis being substantially vertical where the screw axis being substantially vertical
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of screw-and-nut type of the screw axis being substantially vertical the screw axis being subst
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g. reciprocably driven steppers or rotatably driven cams (vehicles with ground-engaging propulsion means, e.g. walking members, B62D 57/02) comprising a rotatably driven auxiliary wheel or endless track, e.g. driven by ground wheel (track vehicles with additional or alternative ground wheels B62D 55/02, B62D 55/04; auxiliary drives from a ground
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g. reciprocably driven steppers or rotatably driven cams (vehicles with ground-engaging propulsion means, e.g. walking members, B62D 57/02) comprising a rotatably driven auxiliary wheel or endless track, e.g. driven by ground wheel (track vehicles with additional or alternative ground wheels B62D 55/02, B62D 55/04; auxiliary drives from a ground wheel B60K 25/08)
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g. reciprocably driven steppers or rotatably driven cams (vehicles with ground-engaging propulsion means, e.g. walking members, B62D 57/02) comprising a rotatably driven auxiliary wheel or endless track, e.g. driven by ground wheel (track vehicles with additional or alternative ground wheels B62D 55/02, B62D 55/04; auxiliary drives from a ground wheel B60K 25/08) driven by an auxiliary motor
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g. reciprocably driven steppers or rotatably driven cams (vehicles with ground-engaging propulsion means, e.g. walking members, B62D 57/02) comprising a rotatably driven auxiliary wheel or endless track, e.g. driven by ground wheel (track vehicles with additional or alternative ground wheels B62D 55/02, B62D 55/04; auxiliary drives from a ground wheel B60K 25/08) driven by an auxiliary motor Means for attaching lifting, supporting, or
3/042 3/044 3/045 3/047 3/048 3/06 3/063	 {specially adapted for two-wheeled vehicles} {Wheel cleaning devices (integral with vehicle B60S 1/00)} {Hand-held cleaning arrangements with liquid or gas distributing means (B60S 3/045 takes precedence)} {Other hand-held cleaning arrangements, e.g. with sponges, brushes, scrapers or the like (brushes per se A46B)} {using liquid or gas distributing means (B60S 3/048 takes precedence)} {with rotary or vibratory bodies contacting the vehicle} with rotary bodies contacting the vehicle {(hand-held B60S 3/048)} {the axis of rotation being approximately vertical} {the axis of rotation being approximately 	9/02 9/04 9/06 9/08 9/10 9/12 9/14 9/16 9/18 9/20 9/205	lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks ({props for vehicle draw bars B60D 1/66; anti-theft devices acting on vehicle jacking means B60R 25/001}; lifting devices in general B66F, supports in general F16M) for only lifting or supporting mechanically of screw-and-nut type of the screw axis being substantially vertical by fluid pressure of telescopic type for both lifting and manoeuvring for operating only on one end of vehicle (B60S 9/205 takes precedence) mechanically with fluid-pressure lift Power driven manoeuvring fittings, e.g. reciprocably driven steppers or rotatably driven cams (vehicles with ground-engaging propulsion means, e.g. walking members, B62D 57/02) comprising a rotatably driven auxiliary wheel or endless track, e.g. driven by ground wheel (track vehicles with additional or alternative ground wheels B62D 55/02, B62D 55/04; auxiliary drives from a ground wheel B60K 25/08) driven by an auxiliary motor

11/00 Vehicle modifications for receiving separate lifting, supporting, or manoeuvring devices
 13/00 Vehicle-manoeuvring devices separate from the vehicle (vehicle lifting {, e.g. liftable turntables} or pushing devices <u>B66F</u>; {workshop equipment <u>B25H</u>})
 13/02 Turntables: Traversers (incorporated in vehicles)

13/02 • Turntables; Traversers (incorporated in vehicle-storing garages <u>E04H</u>; {rotary display stands <u>A47F 5/02</u>})